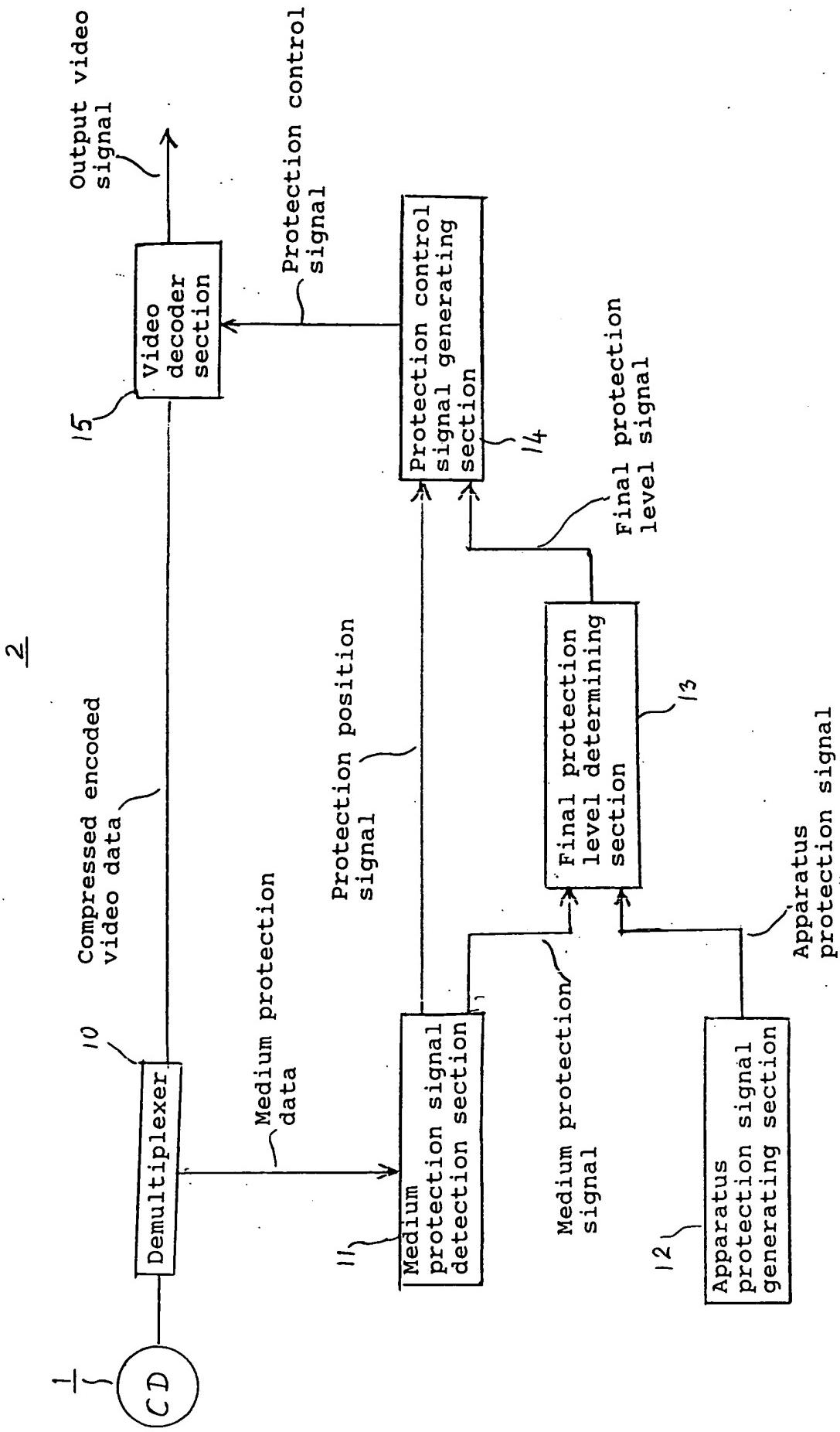


FIG. 1



Reproduction apparatus  
protection level

→ Strong

Strong ↓

	1	2	3	4
1	A	A	A	A
2	A	A	A	B
3	A	A	B	C
4	A	B	C	D
5	E	E	E	E

FIG.2

FIG. 3

Examples of medium protection	1	2	3	4	5
Based on U.S. movie ratings	FREE		PG	X	Other
Based on copyright protection				Restricted (weak)	Restricted (moderate) Restricted (strong)

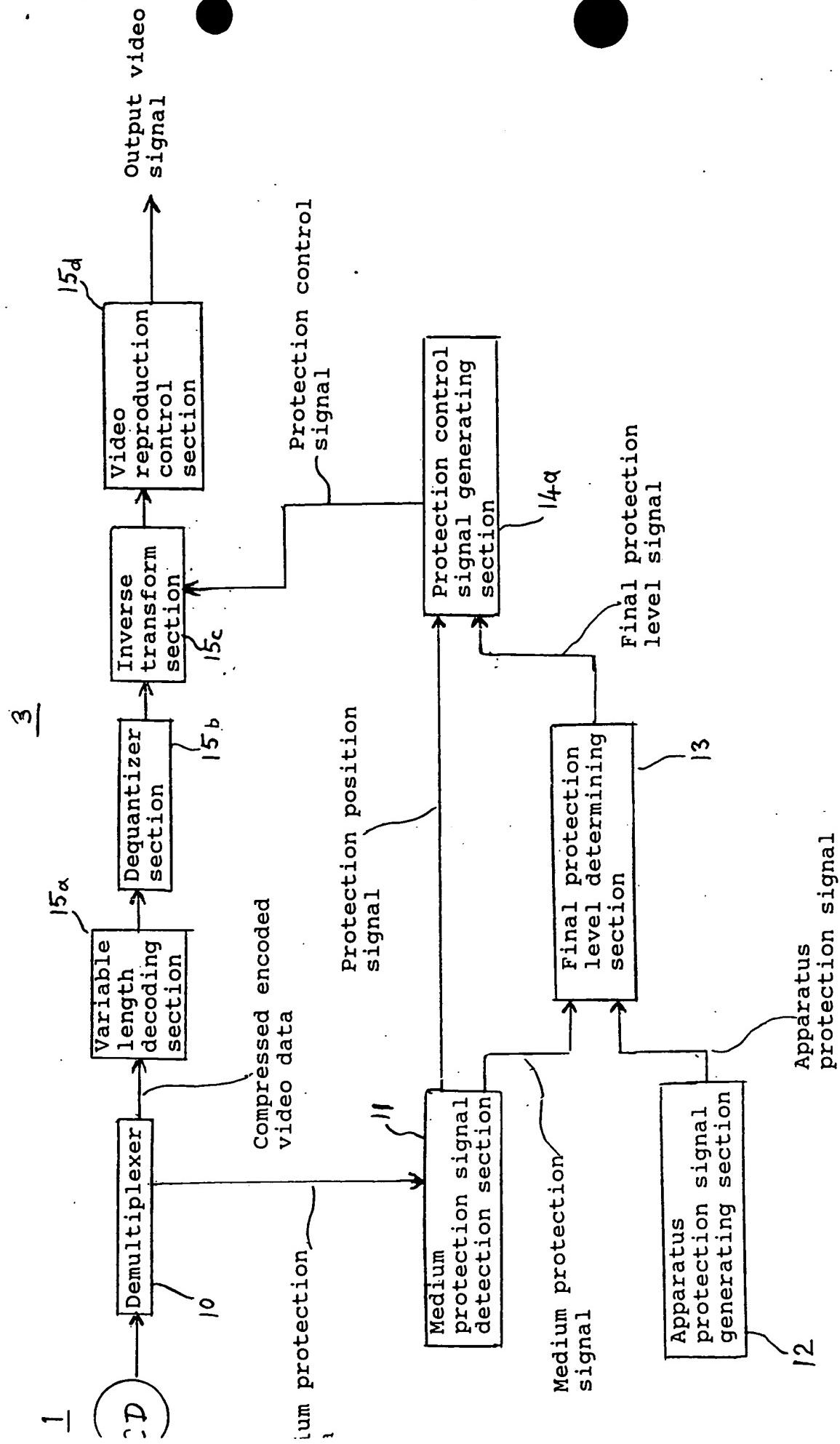
MEDIUM PROTECTION LEVEL →

FIG. 4

## APPARATUS PROTECTION LEVEL

Examples of playback apparatus protection	1	2	3	4
Based on country	U.S.A.	Europe	Japan	Taiwan
Based on adult/child status	For adults	For adults	For adults	For children
Based on objectives	For items to be sold	For items to be sold	FOR in-store sales demonstration items	FOR in-store sales demonstration items

FIG. 5



*FIG. 6*

		Example of visibility grades, using spatial-domain protection control	Example of visibility grades, using time-axis protection control
		A	B
		All picture is visible	All picture is visible
		8 x 8 transform block size, DC coefficient and 2 AC coefficients	1 in 15 frames used
		8 x 8 transform block size, only DC coefficient	4 bits/sample
		16 x 16 transform block size, only DC coefficient	1 in 60 frames used
		Other picture displayed	2 bits/sample
		Other picture displayed	1 bit/sample
		Other picture displayed	Other picture displayed

FINAL PROTECTION LEVEL →

FIG. 7

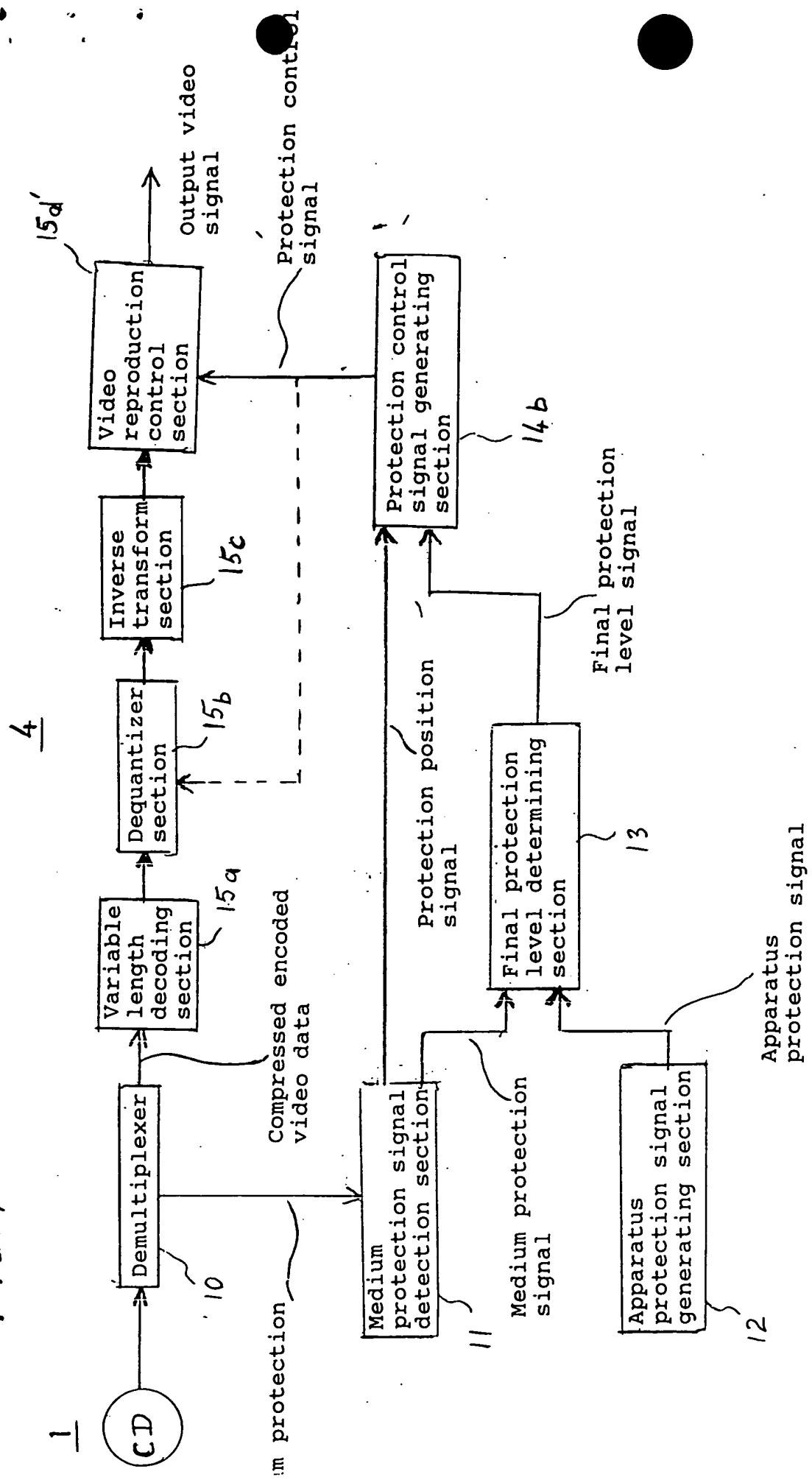


FIG. 8

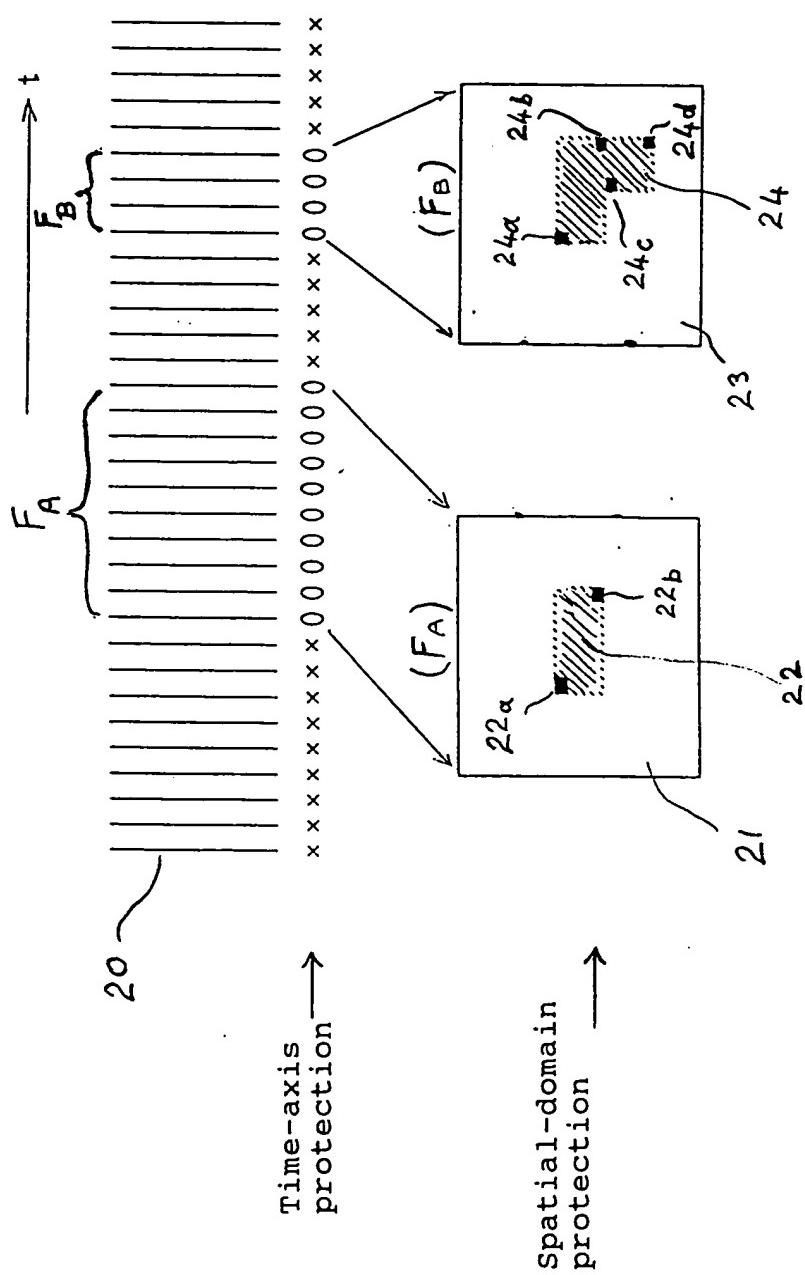


FIG. 9

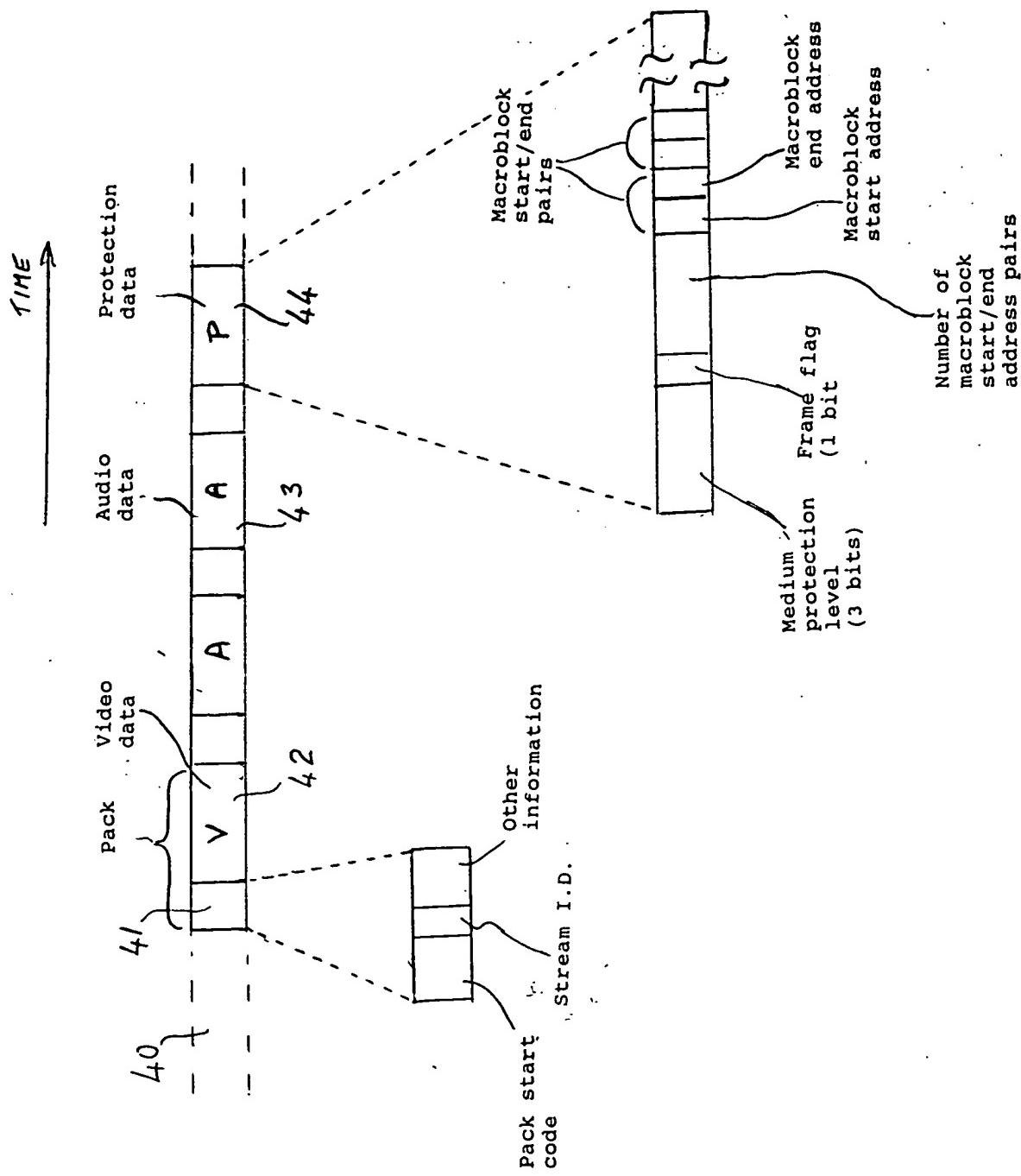


FIG. 10

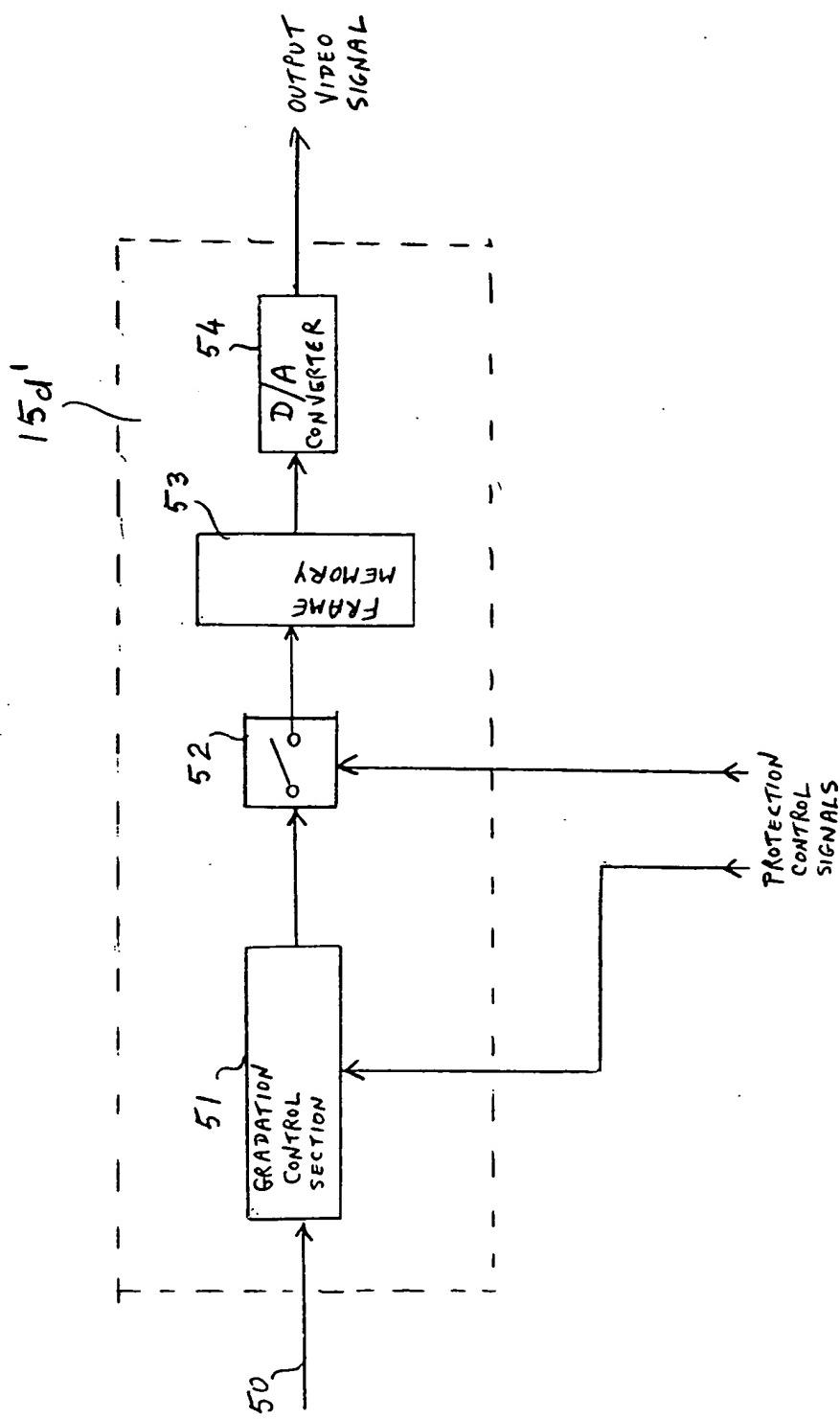


FIG. 11

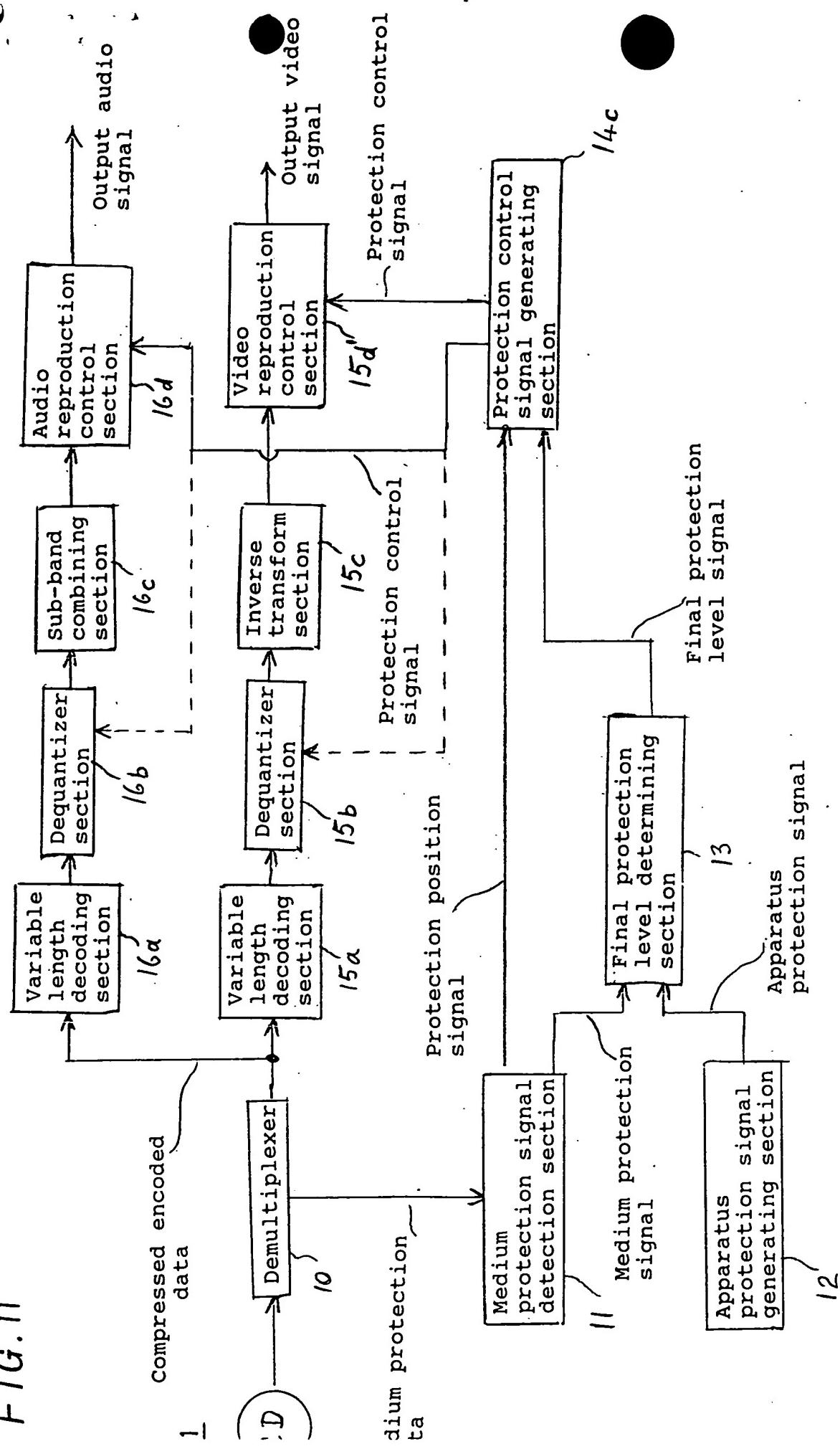
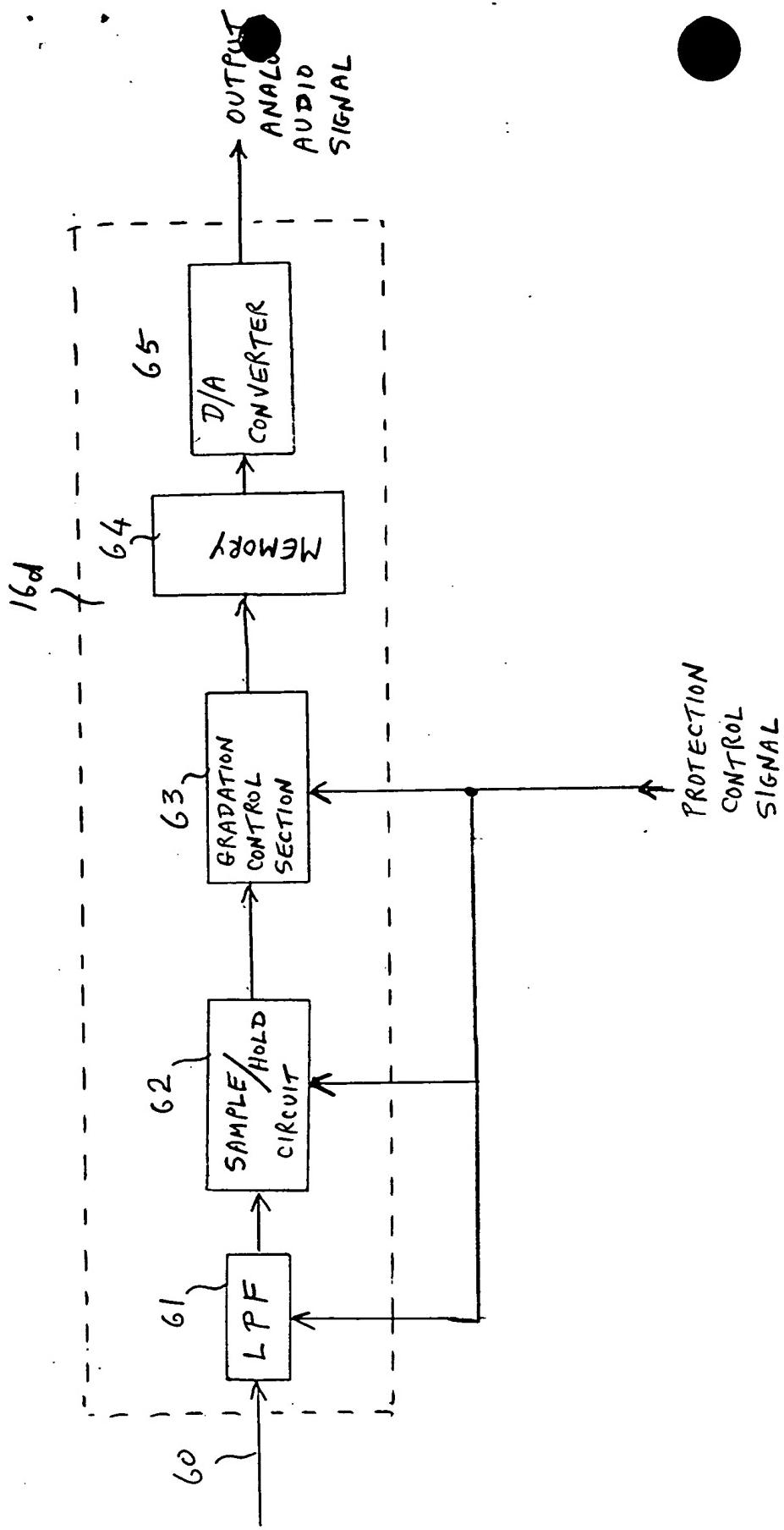


FIG. 12

	Example of audibility grades, using bandwidth-restriction protection control	Example of audibility grades, using time-axis protection control	Example of audibility grades, using protection based on audio data bit-number control	
A	All of original audio signal reproduced	All of original audio signal reproduced	All of original audio signal reproduced	
B	18 KHz	1 in every 2 samples is used	12 bits/sample	
C	12 KHz	1 in every 3 samples is used	8 bits/sample	
D	6 KHz	Only specified samples are used	4 bits/sample	
E	No audio output signal	No audio output signal	No audio output signal	

FINAL PROTECTION LEVEL →

FIG. 13



Reproduction apparatus  
protection level

→ Strong

	1	2	3	4
1	A~E	A~E	A~E	A~E
2	A~E	A~E	A~E	B~E
3	A~E	A~E	B~E	C~E
4	A~E	B~E	C~E	D~E
5	E~E	E~E	E~E	E~E

Strong ↓

Medium protection level

FIG.15

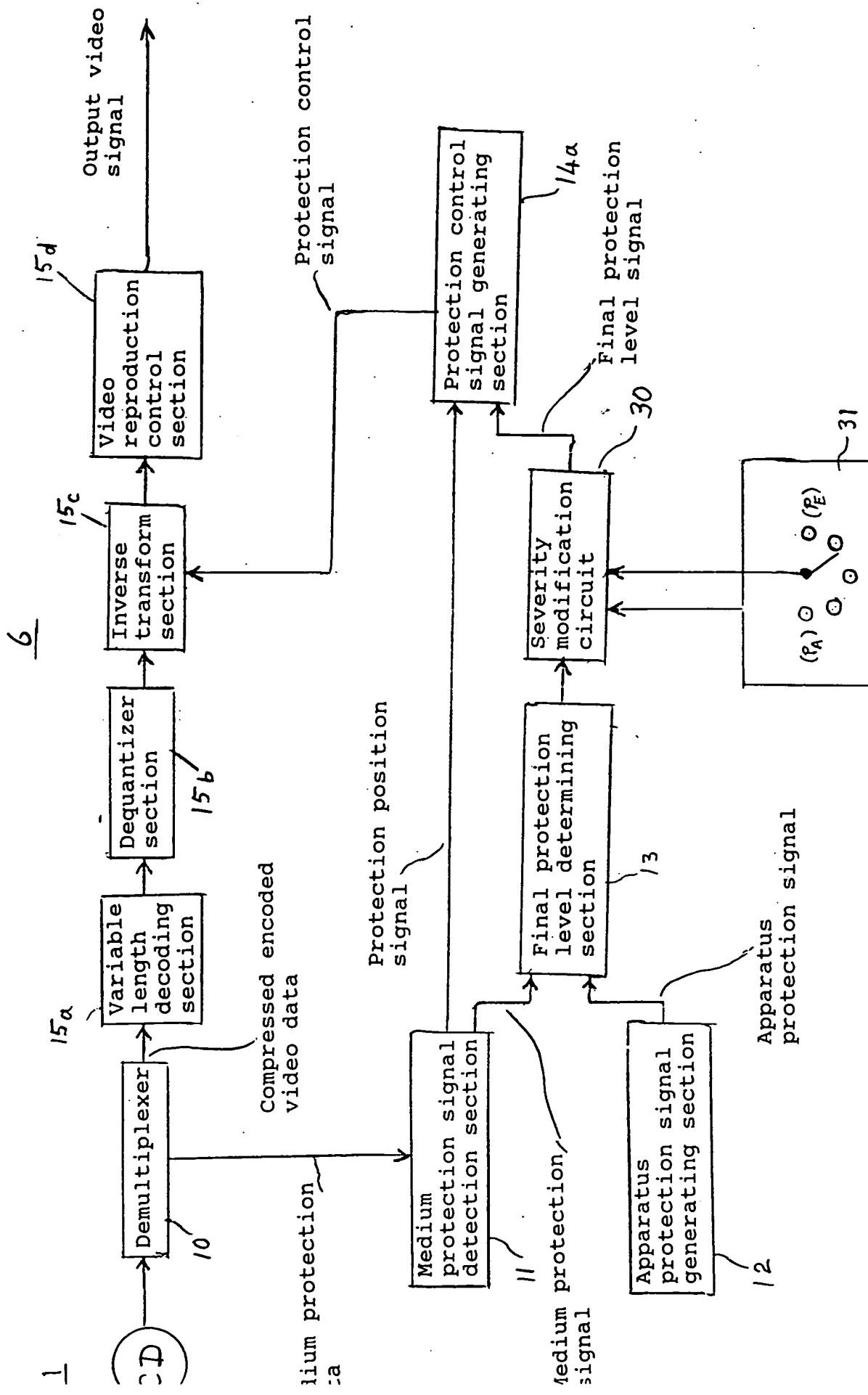


FIG. 16

(When apparatus protection level = 1)

	Modification switch condition				
	$P_A$	$P_B$	$P_C$	$P_D$	$P_E$
1	A	B	C	D	E
2	A	B	C	D	E
3	A	B	C	D	E
4	A	B	C	D	E
5	E	E	E	E	E

( A )

(When apparatus protection level = 2)

	Modification switch condition				
	$P_A$	$P_B$	$P_C$	$P_D$	$P_E$
1	A	B	C	D	E
2	A	B	C	D	E
3	A	B	C	D	E
4'	B	B	<u>C</u>	D	E
5	E	E	E	E	E

( B )

(When apparatus protection level = 3)

	Modification switch condition				
	$P_A$	$P_B$	$P_C$	$P_D$	$P_E$
1	A	B	C	D	E
2	A	B	C	D	E
3	B	B	C	D	E
4	C	C	C	D	E
5	E	E	E	E	E

( C )

(When apparatus protection level = 4)

	Modification switch condition				
	$P_A$	$P_B$	$P_C$	$P_D$	$P_E$
1	A	B	C	D	E
2	B	B	C	D	E
3	C	C	C	D	E
4	D	D	D	D	E
5	E	E	E	E	E

( D )